

IN THE CLAIMS

1. (cancelled)

2. (currently amended) A data transmitting apparatus comprising:

an interface ~~that can be connectable~~led to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to ~~the said~~ interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus by the said external-apparatus identifying means during a time when while said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data,

wherein ~~the said~~ external-apparatus identifying means determines whether the external apparatus is a ~~data-storage~~ apparatus that has a storage memory means for storing ~~data~~ signals inputted through the interface, and ~~the said~~ control means stops the transmission of ~~output data~~ the first signal to the external apparatus when the said external-apparatus identifying means determines that the external apparatus is the data-storage apparatus having the storage memory means.

3. (currently amended) A data transmitting apparatus comprising:

an interface ~~that can be connectable~~led to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to ~~the said~~ interface and for

outputting data representing the type of the external apparatus;
and

control means for controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus by ~~the~~ said external-apparatus identifying means ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data,

wherein ~~the~~ said external-apparatus identifying means determines a version of the external apparatus, and ~~the~~ said control means controls stopping of the transmission of ~~output data~~ the first signal to the external apparatus through ~~the~~ said interface, in accordance with the determined version of the external apparatus.

4. (currently amended) A data transmitting apparatus comprising:

an interface ~~that can be connectable~~ to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to ~~the~~ said interface and for outputting data representing the type of the external apparatus;
and

control means for controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus by ~~the~~ said external-apparatus identifying means ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data,

wherein ~~the~~ said external-apparatus identifying means determines whether the external apparatus is a copyright-related

apparatus that can control reproduction of data based on copyright-related information of the data, and ~~the said~~ control means controls the transmission of ~~output data~~ the first signal to the external apparatus through the interface, in accordance with the result of the determination

5. - 6. (cancelled)

7. (currently amended) A data transmitting apparatus comprising:

an interface ~~that can be connectable~~ to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to ~~the said~~ interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus by ~~the said~~ external-apparatus identifying means ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data,

wherein ~~the said~~ control means controls the transmission of ~~output data~~ the first signal to the external apparatus through ~~the said~~ interface, in accordance with an amount of the first signal ~~output data~~ to be transmitted to the external apparatus.

8. (currently amended) A data transmitting apparatus comprising:

an interface ~~that can be connectable~~ to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to ~~the said~~ interface and for

outputting data representing the type of the external apparatus;
and

control means for controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus by ~~the said~~ external-apparatus identifying means ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data,

wherein ~~the said~~ control means controls the transmission of ~~output data~~ the first signal to the external apparatus through ~~the said~~ interface, in accordance with a speed at which the ~~output data~~ first signal is to be transmitted to the external apparatus.

9. (currently amended) A data transmitting apparatus comprising:

an interface ~~that can be connectable~~ to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to ~~the said~~ interface and for outputting data representing the type of the external apparatus;
and

control means for controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus by ~~the said~~ external-apparatus identifying means,

wherein data-reproducing means is provided for reproducing ~~output data~~ the first signal from a recording medium, and ~~the said~~ control means controls the transmission of the ~~output data~~ the first signal to the external apparatus through ~~the said~~ interface, in accordance with the type of the recording medium

~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data.

10. (cancelled)

11. (currently amended) A data transmitting apparatus comprising:

an interface ~~that can be connectable~~ to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to ~~the said~~ interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of ~~output a first signal derived from the reproduced data~~ to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus by ~~the said~~ external-apparatus identifying means ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data; ~~further comprising: and~~

fee-charging means for charging a fee in accordance with the transmission of ~~output data the first signal~~ through the interface, and ~~the said~~ control means controls a fee-charging process performed by the fee-charging means, in accordance with the result of determining made by the external-apparatus identifying means of the type of the external apparatus.

12. (cancelled)

13. (currently amended) A data transmitting method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, ~~the said~~ method comprising ~~the steps of~~:

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data,

wherein it is determined, in ~~the said~~ step of determining the type of the external apparatus, whether the external apparatus is a data storage apparatus that has memory means for storing data input through the interface, and the transmission of ~~output data~~ the first signal to the external-apparatus is stopped in ~~the said~~ step of controlling stopping of transmission of ~~output data~~ the first signal when ~~the said~~ step of determining determines that the external apparatus is the data storage apparatus.

14. (currently amended) A data transmitting method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, ~~the said~~ method comprising ~~the steps of~~:

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced

data,

wherein a version of the external apparatus is determined in ~~the said step of determining~~ and the transmission of ~~output data the first signal~~ to the external apparatus is stopped in determining step of controlling stopping of transmission of ~~output data the first signal~~ when ~~the~~ determining step of determining determines that the external apparatus is a data storage apparatus.

15. (currently amended) A data transmitting method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, ~~the said method comprising the steps of:~~

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of ~~output a first signal derived from the reproduced data~~ to the external apparatus through the interface, in accordance with a result of ~~the determining of the type of the external apparatus during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data,

wherein it is determined, in the step of determining the type of the external apparatus, whether the external apparatus is a copyright-related one, and the transmission of ~~output data the first signal~~ to the external apparatus through the interface is stopped in ~~the said step of controlling stopping of transmission of output data the first signal~~ in accordance with the result of determination.

16. - 17. (cancelled)

18. (currently amended) A data transmitting method for use in a data transmitting apparatus having an interface that can be

connected to various external apparatuses, ~~the said method comprising the steps of:~~

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of output a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data,

wherein the transmission of ~~output data the first signal~~ to the external apparatus through the interface is stopped in ~~the said step of controlling stopping of the transmission of output data the first signal~~ in accordance with an amount in which the ~~output data first signal~~ is to be transmitted to the external apparatus.

19. (currently amended) A data transmitting method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, ~~the said method comprising the steps of:~~

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of output a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus ~~during a time when while~~ said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced

data,

wherein the transmission of ~~output data~~ the first signal to the external apparatus through the interface is stopped in ~~the~~ said step of controlling stopping of the transmission of ~~output data~~ the first signal in accordance with a speed at which the ~~output data~~ first signal is to be transmitted to the external apparatus.

20. (currently amended) A data transmission method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, ~~the~~ said method comprising ~~the steps of:~~

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of ~~output~~ a first signal derived from the reproduced data to the external apparatus through the interface, in accordance with a result of the determining of the type of the external apparatus,

wherein a step of reproducing data is provided for reproducing the ~~output data~~ first signal from a recording medium, and the transmission of ~~output data~~ the first signal to the external apparatus through the interface is stopped in ~~the~~ said step of controlling stopping the transmission of ~~output data~~ the first signal in accordance with the recording medium ~~during a time when~~ while said reproducing means reproduces the reproduced data and outputs a second signal derived from the reproduced data.

21. - 22. (cancelled)

23. (currently amended) A data apparatus comprising:

a plurality of interfaces of different types; and

control means for controlling stopping of transmission of ~~output~~ a first signal derived from reproduced data through ~~the~~

said plurality of interfaces in accordance with the types of interfaces while the reproduced data is being reproduced and while a second signal derived from the reproduced data is being outputted.

24. (currently amended) The data transmitting apparatus according to claim 23, wherein the control means controls the transmission of ~~output data~~ the first signal through ~~the said~~ plurality of interfaces, in accordance with copy-permitting information that controls copying of the output data.

25. (currently amended) The data transmitting apparatus according to claim 24, further comprising: data-reproducing means for reproducing the ~~output~~ reproduced data from a recording medium, and the copy-permitting information is recorded on the recording medium together with the copy-permitting information.

26. (currently amended) The data transmitting apparatus according to claim 23, wherein ~~the said~~ control means controls stopping the transmission of ~~output data~~ the first signal through the plurality of interfaces, in accordance with an amount in which the ~~output data~~ first signal is to be transmitted.

27. (currently amended) The data transmitting apparatus according to claim 23, wherein ~~the said~~ control means controls stopping the transmission of ~~output data~~ the first signal through the plurality of interfaces, in accordance with a speed at which the ~~output data~~ first signal is to be transmitted.

28. (currently amended) The data transmitting apparatus according to claim 23, further comprising data-reproducing means for reproducing the ~~output~~ reproduced data from the recording medium, wherein ~~the said~~ control means controls stopping the transmission of ~~output data~~ the first signal through the plurality of interfaces, in accordance with the recording medium.

29. (currently amended) The data transmitting apparatus according to claim 23, wherein ~~the~~ said control means selectively encrypts the ~~output data~~ first signal before the ~~output data~~ first signal is transmitted.

30. (currently amended) The data transmitting apparatus according to claim 23, further comprising: fee-charging means for charging a fee in accordance with the transmission of ~~output data~~ the first signal through the plurality of interfaces, and ~~the said~~ control means controls a fee-charging process performed by the fee-charging means, in accordance with the respective types of the plurality of interfaces.

31. (currently amended) A data transmitting method for use in a data transmitting apparatus having a plurality of interfaces of different types, ~~the said~~ method comprising ~~the step of~~:

Econtrolling stopping of transmission of ~~output~~ a first signal derived from reproduced data through the plurality of interfaces, in accordance with the types of the interfaces while the reproduced data is being reproduced and while a second signal derived from the reproduced data is being outputted.

32. (currently amended) The data transmitting method according to claim 31, wherein the transmission of ~~output data~~ the first signal through the plurality of interfaces is controlled in the step of controlling stopping of transmission of ~~output data~~ the first signal in accordance with copy-permitting information that controls copying of the output data.

33. (currently amended) The data transmitting method according to claim 32, further comprising: a data reproducing step for reproducing the ~~output~~ reproduced data from a recording medium, and the copy-permitting information is recorded on the recording medium together with the copy-permitting information.

34. (currently amended) The data transmitting method

according to claim 31, wherein the transmission of ~~output data~~ the first signal to the external apparatus through the plurality of interfaces is controlled in ~~the said~~ step of controlling stopping of the transmission of ~~output data~~ the first signal in accordance with an amount in which the ~~output data~~ first signal is to be transmitted to the external apparatus.

35. (currently amended) The data transmitting method according to claim 31, wherein the transmission of ~~output data~~ the first signal through the plurality of interfaces is controlled in ~~the said~~ step of controlling stopping of the transmission of ~~output data~~ the first signal in accordance with a speed at which the ~~output data~~ first signal is to be transmitted to the external apparatus.

36. (currently amended) The data transmitting method according to claim 31, further comprising a step of reproducing data for reproducing the ~~output~~ reproduced data from a recording medium, and the transmission of ~~output data~~ the first signal though the plurality of interfaces in ~~the said~~ step of controlling stopping of the transmission of ~~output data~~ the first signal in accordance with the recording medium.

37. (currently amended) The data transmitting method according to claim 31, wherein the ~~output data~~ first signal is selectively encrypted, in ~~the said~~ step of controlling stopping of the transmission of output data, before the ~~output data~~ first signal is transmitted.

38. (currently amended) The data transmitting method according to claim 31, further comprising: a fee-charging step for charging a fee in accordance with the transmission of ~~output data~~ the first signal through the plurality of interfaces, and a fee-charging process performed by the fee-charging means is controlled in ~~the said~~ step of controlling stopping of the transmission of ~~output data~~ the first signal in accordance with the types of interfaces.

39. (currently amended) A data transmitting apparatus for transmitting ~~output~~ data reproduced from a recording medium, comprising:

an interface for transmitting ~~the output~~ a first signal derived from the reproduced data; and

fee-charging control means for performing a fee-charging process in accordance with the transmission of ~~output data~~ the first signal through the said interface and for controlling the transmission of the first signal~~output data~~,

wherein ~~the said~~ fee-charging control means performs a fee-charging process by updating, in accordance with the fee to be charged, fee data recorded on the recording medium ~~and that~~ corresponding to a sum of fees that can be charged for the recording medium, and stops the transmission of ~~output data~~ the first signal through the interface when the fee data ~~corresponding to the sum of fees~~ reaches or exceeds a predetermined value during a time when the ~~output~~ reproduced data is being reproduced and a second signal derived from the reproduced data is being outputted.

40. (currently amended) A data transmitting apparatus for transmitting ~~output~~ data reproduced from a recording medium, comprising:

an interface for transmitting ~~the output~~ a first signal derived from the reproduced data; and

fee-charging control means for performing a fee-charging process in accordance with the transmission of ~~output data~~ the first signal through the said interface and for controlling the transmission of the first signal~~output data~~,

wherein ~~the said~~ fee-charging control means performs the fee-charging process by sequentially recording fee data, in accordance with the fee to be charged, in a region provided in the recording medium and corresponding to a sum of fees that can be charged for the recording medium, and stops the transmission

of ~~output data~~ the first signal through ~~the said~~ interface when the region corresponding to the sum of fees decreases in size to a predetermined size or becomes smaller than the predetermined size during a time when the ~~output reproduced~~ data is being reproduced and a second signal derived from the reproduced data is being outputted.

41. (currently amended) A data transmitting method for use in a data transmitting apparatus for transmitting, through an interface, ~~output~~ a first signal derived from data reproduced from a recording medium, ~~the said~~ method comprising:

a fee-charging control step of performing a fee-charging process in accordance with the transmission of ~~output data~~ the first signal through the interface and controlling the transmission of the first signal ~~output data~~,

wherein ~~the said~~ fee-charging control step ~~is to~~ performs the fee-charging process by updating, in accordance with the fee to be charged, fee data recorded on the recording medium ~~and that corresponds~~ to a sum of fees that can be charged for the recording medium, and ~~to stops~~ the transmission of the ~~output data~~ first signal through the interface when the fee data ~~corresponding to the sum of fees~~ reaches or exceeds a predetermined value during a time when the ~~output reproduced~~ data is being reproduced and a second signal derived from the reproduced data is being outputted.

42. (currently amended) A data transmitting method for use in a data transmitting apparatus for transmitting, through an interface ~~output~~ a first signal derived from data reproduced from a recording medium, ~~the said~~ method comprising:

a fee-charging control step of performing a fee-charging process in accordance with the transmission of ~~output data~~ the first signal through the interface and controlling the transmission of the first signal ~~output data~~,

wherein ~~the said~~ fee-charging control step performs the

fee-charging process by sequentially recording fee data, in accordance with the fee to be charged, in a region provided in the recording medium and corresponding to a sum of fees that can be charged for the recording medium, and ~~to stops~~ the transmission of ~~output data~~ the first signal through the interface when the region corresponding to the sum of fees decreases in size to a predetermined size or becomes smaller than the predetermined size during a time when the ~~output~~ reproduced data is being reproduced and a second signal derived from the reproduced data is being outputted.

43. (currently amended) A data recording medium ~~recorded~~ with instructions for carrying out a desired data transmitting method in a data transmitting apparatus for transmitting, through an interface, a first signal derived from data reproduced from another recording medium, said method comprising:

a fee-charging control step of performing a fee-charging process in accordance with the transmission of the first signal through the interface and controlling the transmission of the first signal,

wherein said fee-charging control step performs the fee-charging process by updating, in accordance with the fee to be charged, fee data recorded on the another recording medium that corresponds to a sum of fees that can be charged for access to a—the another recording medium, and stops the transmission of the first signal through the interface when the fee data reaches or exceeds a predetermined value during a time when the reproduced data is being reproduced and a second signal derived from the reproduced data is being outputted~~is recorded and can be updated~~.

44. (currently amended) A data recording medium ~~recorded~~ with instructions for carrying out a desired data transmitting method in a data transmitting apparatus for

transmitting, through an interface, a first signal derived from data reproduced from another recording medium, said method comprising:

a fee-charging control step of performing a fee-charging process in accordance with the transmission of the first signal through the interface and controlling the transmission of the first signal,

wherein said fee-charging control step performs the fee-charging process by sequentially recording fee data, in accordance with the fee to be charged, in a region provided in the another recording medium and corresponding to a sum of fees that can be charged for access to a—the another recording medium, and stops the transmission of the first signal through the interface when the region corresponding to the sum of fees decreases in size to a predetermined size or becomes smaller that the predetermined size during a time when the reproduced data is being reproduced and a second signal derived from the reproduced data is being outputted~~is provided and data can be recorded in a region.~~

45. (new) The data transmitting apparatus according to claim 2, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

46. (new) The data transmitting apparatus according to claim 3, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

47. (new) The data transmitting apparatus according to claim 4, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog

video signal.

48. (new) The data transmitting apparatus according to claim 7, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

49. (new) The data transmitting apparatus according to claim 8, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

50. (new) The data transmitting apparatus according to claim 9, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

51. (new) The data transmitting apparatus according to claim 11, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

52. (new) The data transmitting method according to claim 13, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

53. (new) The data transmitting method according to claim 14, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

54. (new) The data transmitting method according to claim 15, wherein the first signal is a digital audio signal,

and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

55. (new) The data transmitting method according to claim 18, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

56. (new) The data transmitting method according to claim 19, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

57. (new) The data transmitting method according to claim 20, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

58. (new) The data transmitting apparatus according to claim 23, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

59. (new) The data transmitting method according to claim 31, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

60. (new) The data transmitting apparatus according to claim 39, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

61. (new) The data transmitting apparatus according to claim 40, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

62. (new) The data transmitting method according to claim 41, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

63. (new) The data transmitting method according to claim 42, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

64. (new) The data recording medium according to claim 43, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

65. (new) The data recording medium according to claim 44, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.